Application/Control No.

Applicant(s)/Patent under Reexamination

10/623,589

NAKAYA, YUICHIRO

Examiner

Sherali Ishrat

2621

| 7  | Rejected |
|----|----------|
| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Ν | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla         | aim           | Date         |          |          |          |              |          | <b></b>  | Cla      | aim          |   |              | Date     |  |          |          |          |                 |          | CI       | aim       | Date     |       |  |            |   |          |   |          |  |          |          |          |          |
|-------------|---------------|--------------|----------|----------|----------|--------------|----------|--|----------|--------------|---|--------------|----------|--|----------|----------|----------|-----------------|----------|----------|-----------|----------|-------|--|------------|---|----------|---|----------|--|----------|----------|----------|----------|
| ĺ _         | <u>-</u>      | ۵            |          |          | I        |              |          |  |          |              |   |              | -ar      | 1  |          |          |          |                 |          |          | T         |          |       |  | व          |   |          |   |          |  |          |          |          |          |
| Final       | ij            | ŝ            |          |          |          |              |          |  |          |              |   | Final        | Ë        |  | ll       |          |          |                 |          |          | 1         |          |       | Final  | Ë          |   |          |   |          |  |          |          |          |          |
| 证。          | Original      | 2/15/06      |          |          |          |              |          |  |          |              |   | تتا          | Original |  |          |          |          |                 |          |          |           |          |       | 诓  | Original   |   |          |   |          |  |          |          | - 1      |          |
| <u> </u>    | 1             |              | _        | _        | ╄        | _            | <u> </u> | <u> </u>   |          | ╙            |   |              |          | _  | Ш        | _        |          | $\Box$          | 4        | 4        | 4         | _        |       |  |            | <u> </u>  | Ш        |   |          |  |          | _        | _        | ᅴ        |
| ├─          |               | 1            | <u> </u> | _        | _        | <u>ا</u>     | ├        | <u> </u>   | -        | ┡            |   |              | 51       | <u> </u>   | Н        |          |          | $\dashv$        | 4        |          | 4         | _        |       |  | 101        | _   | Ш        |   |          |  |          | _        | 4        | $\dashv$ |
| <u> </u>    | 2             | 1            | ⊢        | _        | ╄        | ╀            | ├        | <u> </u>   | -        | ┡            |   | <u> </u>     | 52       | <b>├</b>   | Н        | _        | -        | $\dashv$        | 4        | $\dashv$ | $\dashv$  | 4        |       |  | 102        | <u> </u>  | Ш        | _ |          |  |          | 4        | $\dashv$ | $\dashv$ |
| <u> </u>    | 3             | 1            | ⊢        | ⊢        | ⊬        | ┼            | -        | ├  | ⊢        | ├            |   |              | 53       | ┢  | Н        |          |          | $\dashv$        | -+       | -        | -         | _        |       |  | 103        | <u> </u>  | H        |   |          |  | -        |          | $\dashv$ | $\dashv$ |
| -           | <u>4</u><br>5 | 1            | -        | -        | -        | ╁            | ⊢        | ⊢  | $\vdash$ | <del> </del> |   |              | 54<br>55 | ⊢  | Н        | _        | _        | $\vdash$        | $\dashv$ | $\dashv$ | +         | $\dashv$ |       |  | 104        | <del> </del>  | Н        | _ |          | -  | _        | _        | $\dashv$ |          |
|             | 6             |              | -        | ┝        | -        | ╁            | ⊢        | ┢  | ┢        | ┝            |   | _            | 56       | ┝  | -        | -        | -        | $\vdash$        | $\dashv$ | $\dashv$ | +         | ᅱ        |       |  | 105<br>106 | ⊢   | Н        | _ |          |  |          |          | $\dashv$ | $\dashv$ |
| -           | 7             | -            | $\vdash$ |          | +        | ╁            | ┢        |  | $\vdash$ | -            |   | -            | 57       | ┢╌   | $\vdash$ |          |          | H               | +        | $\dashv$ | +         | ᅱ        |       |  | 107        | ⊢   | Н        | _ | _        |  | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>    | 8             | -            |          |          | +        | ╁            | ╁╴       | ├  | ╁        | $\vdash$     |   |              | 58       | ╁  | Н        |          | _        | $\vdash$        | ┰        | -        | $\dashv$  | ᅱ        |       | <del> </del>                                     | 108        | -   | -        |   |          | -  | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ |
| <b>—</b>    | 9             | $\vdash$     | $\vdash$ | $\vdash$ | †        | 1            | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     |   |              | 59       | <del>                                     </del> | Н        |          |          | Н               | $\dashv$ | +        | $\dashv$  | $\dashv$ |       | <u> </u>   | 109        | -   | Н        |   | _        | $\vdash$   |          | $\dashv$ | ᅥ        | $\dashv$ |
|             | 10            | $\vdash$     | T        |          | t        | $\vdash$     | T        | $\vdash$   | $\vdash$ | -            |   |              | 60       | 一  | Н        |          |          | H               | 寸        | 十        |           | ᅱ        |       |  | 110        |   |          |   |          |  |          |          | 一        | 一        |
|             | 11            | _            | T        | T        | 1        | T            | T        |  | 1        | $\vdash$     |   |              | 61       | <b>†</b>   | Н        |          | Н        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |       |  | 111        | $\vdash$  | П        |   |          |  |          | $\dashv$ | 一        | $\dashv$ |
|             | 12            |              |          | Г        |          |              | 1        | $\vdash$   |          | -            |   |              | 62       |  | П        |          | П        | $\vdash$        | 寸        | $\dashv$ | 十         | $\dashv$ |       |  | 112        | Г   | П        |   |          |  | М        | $\dashv$ | 一        | $\dashv$ |
|             | 13            |              |          | Г        | 1        |              | T        |  | Ι        | Г            |   |              | 63       | T  | П        |          |          | $\Box$          | $\dashv$ | $\dashv$ | 十         |          |       |  | 113        |   | П        |   |          |  |          | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 14            |              | Г        | Γ        | 1        | T            | Τ        | 1  | Π        | Γ            |   |              | 64       | Π  | П        |          |          | П               | 一        | $\dashv$ | $\neg$    |          |       |  | 114        |   |          |   |          |  |          | $\neg$   | $\dashv$ | $\dashv$ |
|             | 15            |              |          |          |          |              |          |  | T        |              |   |              | 65       | Π  | П        |          |          | П               | $\neg$   | $\neg$   | $\top$    |          |       |  | 115        |   | П        |   |          |  | П        | $\dashv$ | $\dashv$ | $\neg$   |
|             | 16            |              |          |          |          |              |          |  |          |              |   |              | 66       |  |          |          |          |                 |          |          |           |          |       |  | 116        |   |          |   |          |  |          |          | ヿ        | $\neg$   |
|             | 17            |              |          |          |          |              |          |  |          |              |   |              | 67       |  |          |          |          |                 |          |          |           |          |       |  | 117        |   |          | _ |          |  |          | $\Box$   | $\neg$   | $\neg$   |
|             | 18            |              |          |          |          |              |          |  |          |              |   |              | 68       |  |          |          |          |                 | $\neg$   | $\dashv$ |           |          |       |  | 118        | Г   |          |   |          |  |          | $\Box$   | 一        |          |
|             | 19            |              | Π        |          |          | Т            | П        | П  |          |              |   |              | 69       |  | П        |          |          |                 |          | T        | $\exists$ |          |       |  | 119        | <u> </u>  |          |   |          |  |          |          | $\neg$   |          |
|             | 20            |              |          |          |          |              |          |  |          |              |   |              | 70       |  |          |          |          |                 |          | T        |           |          |       |  | 120        | П   |          |   |          |  |          |          | コ        |          |
|             | 21            |              |          |          |          |              |          |  |          |              |   |              | 71       |  |          |          |          |                 |          | П        |           |          |       |  | 121        |   |          |   |          |  |          |          | コ        |          |
|             | 22            |              | 乚        |          |          |              |          |  |          |              |   |              | 72       |  |          |          |          |                 |          |          |           |          |       |  | 122        |   |          |   |          |  |          |          | ╗        |          |
|             | 23            |              |          |          |          |              | 乚        | _  |          | <u> </u>     |   |              | 73       | <u> </u>   |          |          |          |                 |          |          |           |          |       |  | 123        |   |          |   |          |  |          |          |          |          |
|             | 24            | L            |          |          |          |              |          |  | L        |              |   |              | 74       |  |          |          |          |                 | $\Box$   |          |           |          |       |  | 124        |   |          |   |          |  |          |          |          |          |
|             | 25            |              |          |          |          | $oxed{oxed}$ | $\perp$  |  | L        |              |   |              | 75       | L  | Ш        |          |          | Ш               |          |          |           |          |       |  | 125        |   |          |   |          |  |          |          |          |          |
|             | 26            | Ŀ            | _        | _        | _        | 丄            | <u> </u> | L  | ╙        | _            |   |              | 76       | 辶  | Ш        |          |          | Щ               | _        | _        |           |          |       |  | 126        |   |          |   |          |  |          |          |          |          |
|             | 27            | _            | <u> </u> | L        | 1_       | _            | 1        | <u> </u>   |          | _            |   |              | 77       | <u> </u>   | Ш        |          |          |                 | _        | _        | _         |          |       |  | 127        | $ldsymbol{ld}}}}}}$ |          |   |          |  |          |          |          |          |
| <u> </u>    | 28            |              | <u> </u> | <u> </u> | <u> </u> | <u> </u>     | ┖        | L_   | L        | _            |   |              | 78       | <u> </u>   | Ш        |          |          |                 | _        | _        | _         |          |       |  | 128        | _   |          |   |          | _  |          |          |          |          |
|             | 29            | <u> </u>     | <u> </u> | <u> </u> | -        | -            | ╄        | <del> </del>                                     | ┞        | _            |   |              | 79       | <u> </u>   |          |          |          | Ш               | _        | _        | 4         | _        |       |  | 129        |   |          |   |          |  |          | _        |          |          |
|             | 30            | _            | ┡        | L        | -        | ⊢            | ⊢        | ├  | <b>!</b> | <u> </u>     |   |              | 80       | Ŀ  | Н        |          |          |                 | 4        | -        | $\perp$   | _        |       |  | 130        |   | _        |   |          | L  | Щ        | _        |          |          |
| <u> </u>    | 31            | H            | -        | $\vdash$ | $\vdash$ | $\vdash$     | -        | -  |          | <del> </del> |   | <u> </u>     | 81       | <u> </u>   |          | Щ        |          | $\vdash$        | _        | 4        | _         | _        |       | ļ  | 131        | <u> </u>  | L.       |   | <u> </u> | <u> </u>   | Ш        | $\sqcup$ | ᆜ        | $\dashv$ |
| <u> </u>    | 32            | <del> </del> | -        | -        | +-       | ⊢            | $\vdash$ | -  | -        | ⊢            |   | <u> </u>     | 82       | ₩.   | $\vdash$ | <u></u>  | Щ        | $\vdash \dashv$ | $\dashv$ | -        | $\dashv$  | 4        |       | <u> </u>   | 132        | <b> </b>  | <u> </u> |   |          | <u> </u>   | Ш        | [        | _        | _        |
| <del></del> | 33<br>34      | ⊢            | $\vdash$ | -        | ╁        | ╁            | ╀        | $\vdash$   |          | ╀┈           |   | <u> </u>     | 83<br>84 | $\vdash$   | $\vdash$ | $\vdash$ | Н        | ┝╼┤             |          | -        | +         |          |       | <u> </u>   | 133        | ├-  | $\vdash$ |   |          | $\vdash$   | Н        |          | $\dashv$ | $\dashv$ |
| <del></del> | 35            | -            | $\vdash$ | -        | ╁        | ╁            | ⊢        | <del> </del>                                     | $\vdash$ | ├-           |   |              | 85       | $\vdash$   | Н        | $\vdash$ | Н        | $\vdash \vdash$ | $\dashv$ | $\dashv$ | -         | -        |       | ļ  | 134<br>135 | $\vdash$  | H        | _ | -        | -  | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
| <del></del> | 36            | $\vdash$     | $\vdash$ | $\vdash$ | +        | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     |   | <del> </del> | 86       | $\vdash$   | Н        | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | +         | $\dashv$ |       | <u> </u>   | 135        | -   |          | _ | $\vdash$ | $\vdash$   | Н        | $\dashv$ |          | $\dashv$ |
| <del></del> | 37            | -            | -        | -        | ╁        | ╁╌           | ╁        | $\vdash$   | $\vdash$ | -            |   | <u> </u>     | 87       | ╁  | $\vdash$ | $\vdash$ | H        | -               |          | $\dashv$ | $\dashv$  | $\dashv$ |       | <b></b>  | 137        | -   | -        | - | $\vdash$ | $\vdash$   | $\vdash$ | $\dashv$ | $\dashv$ |          |
| -           | 38            | $\vdash$     |          | +-       | +        | $\vdash$     | $\vdash$ | <del>                                     </del> | $\vdash$ | $\vdash$     |   |              | 88       | ├  | $\vdash$ |          |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |       |  | 138        | -   | $\vdash$ | _ | -        | -  | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 39            |              | $\vdash$ |          | t        | +            | +-       | $\vdash$   | $\vdash$ | ┰            |   | _            | 89       | $\vdash$   | $\vdash$ | $\dashv$ | -        | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |       | <del>                                     </del> | 139        | ┢   | $\vdash$ | _ |          | -  | Н        | $\vdash$ | $\dashv$ |          |
| <u> </u>    | 40            | 1            | H        | -        | †-       | +            | ╁        | 1  | 1        |              |   |              | 90       |  | Н        | $\vdash$ | -        | ┝╾┤             |          | $\dashv$ | $\dashv$  | $\dashv$ |       | <u> </u>   | 140        | $\vdash$  | $\vdash$ |   | -        | -  | Н        | $\vdash$ | $\dashv$ | $\dashv$ |
|             | 41            | ╁            | $t^-$    | -        | 1-       | $\vdash$     | Н        | 1  | $\vdash$ | <del> </del> |   | <b></b>      | 91       | $\vdash$   | H        | $\vdash$ | -        |                 | -        | $\dashv$ | $\dashv$  | $\dashv$ |       |  | 141        | ┢   | $\vdash$ |   | $\vdash$ | <del>                                     </del> | ┝┯       |          | $\dashv$ | $\dashv$ |
|             | 42            | 一            | 1        | T        | $\vdash$ |              | T        | $\vdash$   | t        | H            |   |              | 92       | $\vdash$   | Н        |          | -        | $\vdash$        | $\dashv$ | +        | $\dashv$  | $\dashv$ |       |  | 142        | $\vdash$  |          |   | Н        | $\vdash$   | Н        | $\dashv$ | -        | $\dashv$ |
|             | 43            | T            | T        | Τ        | T        | T            | T        | T  |          | $\vdash$     |   | <u> </u>     | 93       | $t^{-}$  | Н        | Н        | Н        | $\vdash$        | _        | -        | $\dashv$  | ᅱ        |       | $\vdash$   | 143        | $\vdash$  | Н        |   | -        |  | $\vdash$ | $\dashv$ | $\dashv$ | 一        |
|             | 44            | T            | $\vdash$ | 1        | $t^{-}$  | 1            | T        | $\vdash$   | $\vdash$ | $\vdash$     |   | <b></b> -    | 94       | <del>                                     </del> | $\vdash$ | Н        | Н        | $\vdash$        | -        | -        | $\dashv$  | ᅱ        |       | <u> </u>   | 144        |   | H        |   | -        |  | H        | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 45            | Г            | Г        | Г        | T        |              |          | T  | Π        | Г            |   | $\vdash$     | 95       | T  | Н        |          | $\Box$   | H               | +        | $\dashv$ | $\dashv$  | $\dashv$ |       |  | 145        |   | Н        |   |          | $\vdash$   | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 46            | Γ            | $I^-$    | Γ        |          |              | 1        |  | Π        | $\vdash$     |   |              | 96       | Ι  | $\Box$   |          |          | $\vdash$        | $\neg$   | 1        | $\dashv$  | $\dashv$ |       |  | 146        |   | H        |   |          | $\vdash$   | $\vdash$ | $\dashv$ |          |          |
|             | 47            | Γ            | Π        | Г        | T        |              | $\Box$   |  | Π        |              |   |              | 97       |  |          |          | $\Box$   | $\Box$          |          | $\dashv$ | $\top$    | ᅥ        |       |  | 147        | <del>                                     </del>  | П        |   |          |  | $\vdash$ | $\dashv$ | 一        | $\dashv$ |
|             | 48            | Ι            | ſΤ       | Г        |          |              | 1        | $\vdash$   |          |              |   |              | 98       | $\vdash$   | $\Box$   |          |          | П               | $\neg$   | _        | $\dashv$  | ᅥ        |       |  | 148        | ┢   | М        |   |          | $\vdash$   | $\vdash$ | $\vdash$ | 一        | $\dashv$ |
|             | 49            |              |          |          |          |              |          |  |          |              |   |              | 99       |  | П        |          |          | $\Box$          | _        | $\neg$   | +         | $\dashv$ |       |  | 149        | Г   | П        |   |          |  |          | $\neg$   | $\dashv$ | $\neg$   |
|             | 50            |              |          |          |          |              |          |  |          |              |   |              | 100      |  | П        |          |          | $\Box$          | $\dashv$ | 寸        | $\top$    | $\dashv$ |       |  | 150        | T   | П        |   |          |  |          |          | 一        | $\neg$   |
|             |               |              | •        | _        | _        | _            |          |  |          | _            | , |              |          |  | لــــا   | ш        | _        |                 |          |          |           |          | ••••• | <u> </u>   |            | —   | لب       |   |          | _  | —Н       | $\Box$   |          |          |